

I claim:

1. A rotary shredding blade for motorized brush cutters,

comprising:

5. a disk member having peripheral cutting means thereon,
whereby radial cutting is accomplished,
an aperture disposed in the center of said disk,
whereby mounting onto said brush cutter is accomplished,
auxiliary cutting means disposed below said disk and
sloping outward toward said peripheral cutting means
at an acute angle, whereby axial cutting is accomplished
and whereby effective debris clearing is achieved
during high speed rotation.

15. 2. The blade of claim 1 further including said auxiliary
cutting means symmetrically and centrifugally disposed, where-
by an inherent balance is achieved and whereby one of said
auxiliary cutting means follows in the path of another during
high speed rotation to accomplish effective cutting.

20. 3. The blade of claim 1 further including said auxiliary
cutting means having a centrally inclined base line, whereby
during high speed rotation successive staggered and widening
cutting is accomplished and whereby debris clearance is enhanced
and whereby during radial cutting undue interference or snagging
of said auxiliary cutting means is precluded.

25. 4. The blade of claim 1 further including said auxiliary cutting
means with substantially flat sided structures, whereby debris clearing
is accomplished and whereby simplified and economized manufacturing
is accomplished.

30. 5. The blade of claim 1 wherein said auxiliary cutting means are
made integral with said disk, providing corresponding voids to said
auxiliary cutting means, whereby close quarter nesting is accomplished
with said auxiliary cutting means protruding into said voids of adjac-
ently nested blades.

one blade
is being
claimed or
not?

6. The blade of claim 1 further including said auxiliary cutting means provided with a forward and a rear stress relief and debris clearance hole, whereby a graduated, low stress transition between said auxiliary cutting means and said disk member is accomplished and whereby accumulation of cutting debris is prevented.

7. The blade of claim 1 further including said auxiliary cutting means made modular, whereby radial and axial cutting elements of differing aggressiveness are used in combination, to respond to specific field conditions and whereby a ready interchange of said radial and of said auxiliary cutting elements for reclaiming is accomplished.

8. The blade of claim 1 further including said auxiliary cutting means with serrated, semielliptical structures with a depressed minor axis and having serrations parallel with an imaginary outermost straight line, whereby wear is equalized, service life is extended and exceptionally smooth cutting for heavy brush work is accomplished.

9. The blade of claim 1 further including said auxiliary cutting means with rectangular structures with a forward cutting edge and an upper serrated cutting edge, whereby dulling of said forward cutting edge does not preclude continued effective service of said upper serrated cutting edge and whereby dulling of said upper serrated cutting edge does not preclude continued service of said forward cutting edge.

10. The blade of claim 1 further including said auxiliary cutting means with unserrated, rectangular structures with a single forward cutting edge, whereby exceptional economy of manufacture and reclaiming and exceptional, aggressive cutting of grasses and light weeds is accomplished.

11. The blade of claim 1 further including said auxiliary cutting means with a substantial materials reserve disposed rearward of cutting serrations, whereby repeated reclaiming is accomplished.

12. A rotary shredding blade for motorized brush cutters,
comprising:

5. a disk member having peripheral cutting means thereon,
whereby radial cutting is accomplished,
a mounting aperture disposed in the center of said disk,
whereby mounting onto said brush cutter is accomplished,
auxiliary cutting means disposed below said disk and sloping
outward toward said peripheral cutting means at an acute angle
and including mounting means to receive replaceable cutting
10. elements, whereby effective axial cutting and debris clearing
is accomplished and whereby the service life of said auxiliary
cutting means is prolonged.

15. 13. The blade of claim 12 further including said auxiliary cutting
means symmetrically and circularly disposed, whereby an inherent balance
is accomplished and whereby each of said auxiliary cutting means follows
in the path of another during high speed rotation to accomplish effective
cutting.

20. 14. The blade of claim 12 further including said auxiliary cutting means
with a base line centrally inclined, whereby during high speed rotation
successive staggered and widening cutting is accomplished and whereby
debris clearance is enhanced and whereby during radial cutting undue
interference or snagging of said auxiliary cutting means is precluded.

25. 15. The blade of claim 12 further including said auxiliary cutting means
with substantially flat structures, whereby debris clearing is enhanced
and whereby simplified and economized manufacture is accomplished.

30. 16. The blade of claim 12 wherein said auxiliary cutting means are
made integral with said disk, providing corresponding voids to said
auxiliary cutting means, whereby close quarter nesting is accomplished
with said auxiliary cutting means protruding into said voids of adjac-
ently nested blades.

6 17. The blade of claim 12 further including said auxiliary cutting means provided with a forward and rear stress relief and debris clearance hole, whereby a graduated, low stress transition between said auxiliary cutting means and said disk member is accomplished and whereby accumulation of debris is precluded.

7 18. The blade of claim 12 further including said auxiliary cutting means made modular, whereby radial and auxiliary elements of dissimilar aggressiveness are used in combination to adapt to specific field requirements and whereby a ready exchange of said radial and of said auxiliary cutting elements is accomplished for reclaiming .

19. The blade of claim 12 further including said replaceable cutting elements with a ramp, whereby effective cutting depth calibration is accomplished.

20. The blade of claim 12 further including said replaceable cutting means with a mounting means, whereby fastening is accomplished.